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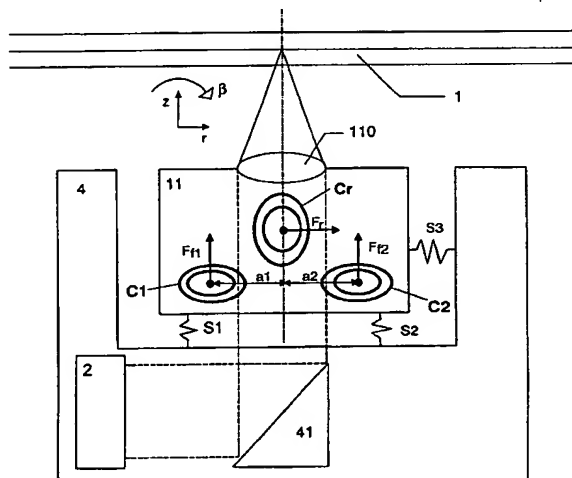
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- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **RAAYMAKERS, Jeroen, A., L., J.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) Agent: **DEGUELLE, Wilhelmus, H., G.**; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
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(54) Title: METHOD AND DEVICE FOR PERFORMING TILT CORRECTION USING MULTI-DIMENSIONAL ACTUATOR



(57) **Abstract:** The present invention relates to method and device for performing tilt control. A focus and a tilt controlling output is generated, and a focusing and tilt state of an optical recording/reproducing beam is controlled by determining a radial tilt value based on a differentiation of focus control values obtained at different radii of said optical disk (1). The combination of e.g. a 3D actuator with the dz/dr tilt measurement provides the advantage that focus and tilt adjustment can be performed in the same element. Thereby, influences or measurement variations caused by environmental conditions and/or circuit characteristics can be minimized to reduce compensations requirements. Furthermore, a 3D actuator (11) with a split coil arrangement may be used to provide a three-dimensional focus adjustment. Thereby, the 3D actuator (11) can be used for feed forward tilt compensation without offset or gain errors and without any additional sensor.